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Flame retardant resin composition, used for electronic components - comprises silicone resin and non-silicone resin having aromatic ring, having high flame retardancy, formability and mechanical strength

Patent Assignee: NEC CORP (NIDE)

Inventor: IJI M; SERIZAWA S

Number of Countries: 019 Number of Patents: 003

Patent Family:

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|---------------|------|----------|--------------|------|----------|----------|
| EP 829521 | A1 | 19980318 | EP 97115853 | A | 19970911 | 199816 B |
| JP 10139964 | A | 19980526 | JP 97244971 | A | 19970910 | 199831 |
| JP 2001254023 | A | 20010918 | JP 97244971 | A | 19970910 | 200169 |
| | | | JP 200192244 | A | 19970910 | |

Priority Applications (No Type Date): JP 96240819 A 19960911

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
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| JP 10139964 | A | 14 | C08L-025/04 |
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| JP 2001254023 | A | 11 | C08L-101/00 | Div ex application JP 97244971 |
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Abstract (Basic): EP 829521 A

A flame retardant resin composition comprises a silicone resin and a non-silicone resin having an aromatic ring, characterised in that the silicone resin has first units of R₂SiO_{1.0} and second units of RSiO_{1.5} and a molecular weight of not less than 10000, provided that the silicone resin is mixable with the non-silicone resin having the aromatic ring and R is a hydrocarbon group.

USE - Flame retardant resin compositions can be used for electric and electronic components and devices, building materials, automobile parts, daily necessities and the like.

ADVANTAGE - The flame retardant resin composition has a high flame retardancy with addition of a small amount of silicone resin, has a high formability and a high mechanical strength and generates almost no harmful halogen based gases when burning.

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Title Terms: FLAME; RETARD; RESIN; COMPOSITION; ELECTRONIC; COMPONENT;
COMPRISE; SILICONE; RESIN; NON; SILICONE; RESIN; AROMATIC; RING; HIGH;
FLAME; RETARD; FORMING; MECHANICAL; STRENGTH

Derwent Class: A18; A26; A85; A93; A95; L03; V04

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C08L-101/00; C08L-083-06

File Segment: CPI; EPI

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Polymer Indexing (PS):

<01>

001 018; D18-R; R00470 G1161 G1150 G1149 G1092 D01 D11 D10 D19 D18 D32
D50 D76 D93 F32 F30; P0862 P0839 F41 F44 D01 D63; H0293; H0011-R

002 018; R00817 G0475 G0260 G0022 D01 D12 D10 D26 D51 D53 D58 D83 F12;
R00806 G0828 G0817 D01 D02 D12 D10 D51 D54 D56 D58 D84; R00708

G0102 G0022 D01 D02 D12 D10 D19 D18 D31 D51 D53 D58 D76 D88; H0033
 H0011; P0328 ; P1741 ; P0088 ; P0191
 003 018; R00708 G0102 G0022 D01 D02 D12 D10 D19 D18 D31 D51 D53 D58 D76
 D88; H0000; H0011-R; P1741 ; P1752
 004 018; D18-R; P0464-R D01 D22 D42 F47
 005 018; D18-R; P0226 P0282-R D01 D18 F30
 006 018; B9999 B4239; Q9999 Q7330-R; Q9999 Q6826-R; Q9999 Q9234 Q9212;
 Q9999 Q9289 Q9212; B9999 B4091-R B3838 B3747; K9745-R; N9999 N6439;
 K9892; ND04; K9449; N9999 N5970-R; N9999 N6155; N9999 N6780-R N6655
 007 018; A999 A419; A999 A497 A486; A999 A555 A486; A999 A000-R; A999
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 A691; A999 A237
 008 018; A999 A544 A486; K9869 K9847 K9790
 <02>
 001 018; D01 D11 D10 D19 D18 D31 D32 D76 D50 D82 D86 D87 F81 F86;
 P1445-R F81 Si 4A; M9999 M2153-R; M9999 M2777
 002 018; B9999 B5094 B4977 B4740; B9999 B4239; Q9999 Q7330-R; Q9999
 Q6826-R; Q9999 Q9234 Q9212; Q9999 Q9289 Q9212; B9999 B4091-R B3838
 B3747; K9745-R; N9999 N6439; K9892; ND04; K9449; N9999 N5970-R;
 N9999 N6155; N9999 N6780-R N6655
 003 018; Si 4A; H0157